

**§ 25.130 Filing requirements for transmitting earth stations.**

(a) Application for a new or modified transmitting earth station facility shall be submitted on FCC Form 312, Main Form and Schedule C, accompanied by any required exhibits.

\* \* \* \* \*

12. Section 25.131 is amended by revising paragraph (a), (d), (f), and (j) to read as follows:

**§ 25.131 Filing requirements for receive-only earth stations.**

(a) Except as provided in paragraphs (b) and (j) of this section, applications for a license for a receive-only earth station shall be submitted on FCC Form 312, Main Form and Schedule C, accompanied by any required exhibits.

\* \* \* \* \*

(d) Applications for registration shall be filed on FCC Form 312, Main Form and Schedule C, accompanied by the coordination exhibit required by 25.203, and any other required exhibits. Any application that is deficient or incomplete in any respect shall be immediately returned to the applicant without processing.

\* \* \* \* \*

(j) Receive-only earth stations operating with (1) INTELSAT space stations, (2) international space stations, or (3) U.S. domestic and non-U.S. space stations for reception of services from other countries, shall file an FCC Form 312, Main Form and Schedule C, requesting a license for such station. Receive-only earth stations used to receive INTELNET I services from INTELSAT space stations need not file for licenses. See Deregulation of Receive-Only Satellite Earth Stations Operating with the INTELSAT Global Communications Satellite System, Declaratory Ruling, RM No. 4845, FCC 86-214 (released May 19, 1986).

13. Section 25.134 is amended by revising the first sentences of paragraphs (a) and (b) and adding paragraph (d) to read as follows:

**§ 25.134 Licensing Provisions of Very Small Aperture Terminal (VSAT) Networks.**

(a) All applications for digital VSAT networks with maximum outbound downlink EIRP densities of +6.0 dBW/4 kHz per carrier and earth station antennas with maximum input power densities of -14 dBW/4 kHz and maximum hub EIRPs of 78.3 dBW will be processed routinely. \* \* \*

(b) Each applicant for digital and/or analog VSAT network authorization proposing to use transmitted satellite carrier EIRP densities in excess of +6.0 dBW/4 kHz per carrier and +13.0 dBW/4 kHz, respectively, and/or maximum antenna input power densities of -14.0 dBW/4 kHz and maximum hub EIRPs of 78.3 dBW and -8.0 dBW/4 kHz, respectively, shall conduct an engineering analysis using the Sharp, Adjacent Satellite Interference Analysis (ASIA) program. \* \* \*

\* \* \* \* \*

(d) An application for VSAT authorization shall be filed on FCC Form 312, Main Form and Schedule B. A VSAT licensee applying to renew its license must include on FCC Form 405, the number of constructed VSAT units in its network.

14. Section 25.140 is amended to read as follows:

**§ 25.140 Qualifications of domestic fixed-satellite space stations.**

(a) Each applicant for a space station authorization in the domestic fixed-satellite service must demonstrate, on the basis of the documentation contained in its application, that it is legally, financially, technically, and otherwise qualified to proceed expeditiously with the construction, launch and/or operation of each proposed space station facility immediately upon grant of the requested authorization.

(b) Each applicant must provide the following information:

(1) The information specified in § 25.114.

(2) An interference analysis to demonstrate the compatibility of its proposed system 2 degrees from any authorized space station. An applicant should provide details of its proposed r.f. carriers which it believes should be taken into account in this analysis. At a minimum, the applicant must include, for each type of r.f. carrier, the link noise budget, modulation parameters, and overall link performance analysis. (See, e.g., appendices B and C to Licensing of Space Stations in the Domestic Fixed-Satellite Service, 48 FR 40233 (September 6, 1983).)

(3) The applicant's current financial ability to meet the:

(i) Estimated costs of proposed construction and/or launch, and any other initial expenses for the space station(s); and

(ii) Estimated operating expenses for one year after launch of the proposed space station(s).

(c) Each application for authority to construct and/or launch a space station shall demonstrate the applicant's current financial ability to meet the costs specified in paragraph (b)(3) of this section by submitting the following financial information verified by affidavit:

(1) A balance sheet current for the latest fiscal year and documentation of any financial commitments reflected in the balance sheet (such as, for example, loan agreements and service contracts) together with an exhibit demonstrating that the applicant has current assets and operating income sufficient to satisfy the requirements of paragraph (c) of this section. If the applicant is owned by more than one corporate parent, it must submit evidence of a commitment to the proposed satellite program by management of the corporate parent upon whom it is relying for financial resources;

(2) If the submissions of paragraph (c)(1) of this section do not satisfy paragraph (b)(3) of this section, the applicant shall submit additional information as listed below to satisfy paragraph (b)(3) of this section.

(i) The terms of any fully negotiated loan or other form of credit arrangement intended to be used to finance the proposed construction, acquisition, or operation of the requested facilities including such information as the identity of the creditor (or creditors), the amount committed, letters of commitment, detailed terms of the transaction, including the details of any contingencies, and a statement that the applicant complies with paragraph (d) of this section;

(ii) The terms of any fully negotiated sale or placement of any equity or other form of ownership

interest, including the sale, or long-term lease for the lifetime of the satellite, of proposed satellite transponder capacity in the level of detail as specified in paragraph (c)(2)(i) of this section;

(iii) The terms of any grant or other external funding commitment intended to be used to finance the proposed construction, acquisition, or operation of the requested facilities, including such information as the identity of the grantor(s), the amount committed, letters of commitment, and detailed terms of the transaction, including the details of any contingencies;

(iv) Any financing arrangements contingent on further performance by either party, such as marketing of satellite capacity or raising additional financing, will not satisfy the requirements of paragraph (b)(3) of this section.

(3) Whatever other information or details the Commission may require with regard to a specific application or applicant;

(d) Any loan or other credit arrangement providing for a chattel mortgage or secured interest in any proposed facility must include a provision for a minimum of ten (10) days prior written notification to the licensee or permittee, and to the Commission, before any such equipment may be repossessed under any default provision of the agreement.

(e) An applicant found to be qualified pursuant to paragraph (a) of this section may be initially assigned up to two orbital locations in each pair of frequency bands proposed. Authorizations to construct ground spares are at the applicant's risk that launch authorization will not be granted by the Commission.

(f) Each applicant found to be qualified pursuant to paragraph (a) of this section may be assigned no more than one additional orbital location beyond its current authorizations in each frequency band in which it is authorized to operate, provided that its in-orbit satellites are essentially filled and that it has no more than two unused orbital locations for previously authorized but unlaunched satellites in that band.

(g) In the event that one or more applications satisfying the requirements of this section are ready for grant, any orbital location occupied by a satellite that is determined to be a part of a system that is not essentially filled may be cancelled and colocation of in-orbit satellites may be required. The Commission may take this action if, in so doing, it would allow the grant of pending applications that satisfy the requirements of this section. If a cancellation is made, the licensee will be afforded a period of 30 days to notify the Commission which of its assigned locations should be cancelled.

15. Section 25.141 is amended by revising paragraph (c) to read as follows:

**§ 25.141 Licensing provisions for the radiodetermination satellite service.**

\* \* \* \* \*

(c) User transceivers. Individual user transceivers will not be licensed. Service vendors may file blanket applications for transceiver units using FCC Form 312, Main Form and Schedule C, and specifying the number of units to be covered by the blanket license. Each application must demonstrate that transceiver operations will not cause interference to other users of the spectrum.

\* \* \* \* \*

16. Section 25.142 is amended by revising paragraph (c) to read as follows:

**§ 25.142 Licensing provisions for the non-voice, non-geostationary mobile-satellite service.**

\* \* \* \* \*

(c) *Reporting requirements.* All operators of non-voice, non-geostationary mobile-satellite service systems shall, on June 30 of each year, file a report with the International Bureau and the Commission's Columbia Operations Center in Columbia, Maryland containing the following information:

\* \* \* \* \*

17. Section 25.143 is amended by revising paragraph (e)(1) to read as follows:

**§ 25.143 Licensing provisions for the 1.6/2.4 GHz Mobile-Satellite Service.**

\* \* \* \* \*

(e)(1) All operators of 1.6/2.4 GHz mobile-satellite systems shall, on June 30 of each year, file with the International Bureau and the Commission's Columbia Operations Center, Columbia, Maryland a report containing the following information:

\* \* \* \* \*

18. Section 25.155 is amended by revising paragraphs (b), (b)(1), (b)(2) and removing paragraph (b)(2)(ii), to read as follows:

**§ 25.155 Mutually exclusive applications.**

\* \* \* \* \*

(b) A space station application will be entitled to comparative consideration with one or more conflicting applications only if:

(1) The application is mutually exclusive with another application; and

(2) The application is received by the Commission in a condition acceptable for filing by the "cut-off" date specified in a public notice.

\* \* \* \* \*

19. Section 25.210 is amended by revising paragraphs (j) and (j)(3), to read as follows:

**§ 25.210 Technical requirements for space stations in the Fixed-Satellite Service.**

\* \* \* \* \*

(j) All operators of space stations shall, on June 30 of each year, file a report with the International Bureau and the Commission's Columbia Operations Center in Columbia, Maryland containing the following information:

(1) \* \* \*

(2) \* \* \*

(3) A detailed description of the utilization made of each transponder on each of the in-orbit satellites. That description should identify the total capacity or the percentage of time each transponder is actually used for transmission, and the amount of unused system capacity in the transponder.

\* \* \* \* \*

20. Section 25.211 is amended by adding paragraph (d), to read as follows:

**§ 25.211 Video Transmissions in the Domestic Fixed-Satellite Service.**

\* \* \* \* \*

(d) In the 6 GHz band, an earth station with an equivalent diameter of 9 meters or smaller may be routinely licensed for transmission of full transponder services if the maximum power into the antenna does not exceed 450 watts (26.5 dBW). In the 14 GHz band, an earth station with an equivalent diameter of 5 meters or smaller may be routinely licensed for transmission of full transponder services if the maximum power into the antenna does not exceed 500 watts (27 dBW).

21. Section 25.212 is amended by adding paragraphs (c) and (d), to read as follows:

**§ 25.212 Narrowband transmissions in the Fixed-Satellite Service.**

\* \* \* \* \*

(c) In the 14 GHz band, an earth station with an equivalent diameter of 1.2 meters or greater may be routinely licensed for transmission of narrowband analog services with bandwidths up to 200 kHz if the maximum power densities into the antenna do not exceed -8 dBW/4 kHz and the maximum transmitted satellite carrier power densities do not exceed 13 dBW/4 kHz.

(d) In the 6 GHz band, an earth station with an equivalent diameter of 4.5 meters or greater may be routinely licensed for transmission of SCPC services if the maximum power densities into the antenna do not exceed +0.5 dBW/4 kHz for analog SCPC carriers with bandwidths up to 200 kHz, and do not exceed -2.7 dBW/4 kHz for digital SCPC carriers.

22. Section 25.251 is amended by revising paragraphs (a) and (b) and eliminating paragraphs (c) through (g) to read as follows:

**§ 25.251 Special requirements for coordination.**

(a) The administrative aspects of the coordination process are set forth in §§ 21.100(d) and 21.706(c)

and (d) of this chapter in the case of coordination of terrestrial stations with earth stations, and in § 25.203 in the case of coordination of earth stations with terrestrial stations.

(b) The technical aspects of coordination are based on Appendix 28 of the International Telecommunications Union Radio Regulations and certain recommendations of the ITU Radiocommunication Sector ("ITU-R"). Applicants and operators will find it helpful to be aware of the latest revisions of these documents.

23. Sections 25.252-25.256 are removed:

**§ 25.252 Maximum permissible interference power.**

**§ 25.253 Determination of coordination distance for near great circle propagation mechanisms.**

**§ 25.254 Computation of coordination distance contours for propagation modes associated with precipitation scatter.**

**§ 25.255 Guidelines for performing interference analyses for near great circle propagation mechanisms.**

**§ 25.256 Guidelines for performing interference analyses for precipitation scatter modes.**

24. Section 272 is amended by revising the first sentence of paragraph (b) to read as follows:

**§ 25.272 General inter-system coordination procedures.**

\* \* \* \* \*

(b) Each space station licensee shall maintain on file with the Commission and with its Columbia Operations Center in Columbia, Maryland a current listing of the names, titles, addresses and telephone numbers of the points of contact for resolution of interference problems. \* \* \*

\* \* \* \* \*

25. Section 25.274 is amended by revising the first sentence of paragraph (f) to read as follows:

**§ 25.274 Procedures to be followed in the event of harmful interference.**

\* \* \* \* \*

(f) At any point, the system control center operator may contact the Commission's Columbia Operations Center in Columbia, Maryland to assist in resolving the matter. \* \* \*

\* \* \* \* \*

26. Section 25.277 is amended by revising paragraph (c) to read as follows:

**§ 25.277 Temporary fixed earth station operations.**

\* \* \* \* \*

(c) The licensee of an earth station which is authorized to conduct temporary fixed operations in bands shared co-equally with terrestrial fixed stations shall provide the following information to the Director of the Columbia Operations Center at P.O. Box 250, Columbia, Maryland 21045 (phone number 301-725-3474 and fax number 301-206-2896) and to the licensees of all terrestrial facilities lying within the coordination contour of the proposed temporary fixed earth station site before beginning transmissions:

\* \* \* \* \*

27. A new Section 25.280 is added to read as follows:

**§ 25.280 Inclined orbit operations.**

(a) Satellite operators may commence operation in inclined orbit mode without obtaining prior Commission authorization provided that the Commission is notified by letter within 30 days after commencement. The notification shall include: (1) the date of commencement of inclined orbit operation; (2) the initial inclination; (3) the rate of change in inclination per year; and (4) the expected end-of-life of the satellite accounting for inclined orbit operation.

28. Subpart E is removed and reserved. Section 25.300 is removed.

**Subpart E -- Developmental Operations**

**§ 25.300 Developmental operation.**

29. Section 25.308 is removed and redesignated as Section 25.281.

**§ 25.281 Automatic Transmitter Identification System (ATIS).**

## **APPENDIX C**



**FEDERAL COMMUNICATIONS COMMISSION**  
**APPLICATION FOR SATELLITE SPACE AND EARTH STATION AUTHORIZATIONS**

**Information and Instructions**

Approved by C-111  
00010000  
Expires 00/00/00  
Est. Any Other  
Name Per Response  
XX 11/11/11

**Purpose of Form**

FCC Form 312 is used to make application for new or modified authorization to operate a satellite earth station and to amend a pending application. In addition, Form 312 is used (1) for Consent to Assignment of License; and (2) for Consent to Transfer of Control; and (3) for Demonstration of Licensee Qualifications. The purpose of this form is to collect data and other information relating to satellite space and earth stations to assist the FCC in determining whether the public interest would be served by a grant of the requested authorization.

**Introduction**

Form 312 is a multi-part form comprised of a Main Form and several schedules. Each application must contain a completed Main Form in addition to any required schedules in order to receive consideration. Incomplete applications will be returned to the applicant as unacceptable for filing.

The purpose of the mandatory Main Form is to (1) obtain information sufficient to identify the applicant; (2) establish the applicant's basic eligibility and qualifications; (3) classify the filing; and (4) identify the nature of the proposed service or request. The Main Form also contains required certifications and signature block(s). Space is also provided for fee filing information. (Refer to the International and Satellite Services Fee Filing Guide for specific fee information.)

There are three (3) schedules --- Schedule A, Schedule B, and Schedule C -- that are used in conjunction with the Main Form.

**SCHEDULE A** is to be completed when applying for:

Consent to Assignment of License  
Consent to Transfer of Control

**SCHEDULE B** is in two parts -- Part I (Hub Station) and Part II (Remote Units) -- and is to be completed when applying for:

Blanket License for new VSAT System  
Amendment of pending VSAT application  
Modification of granted License for VSAT System

**SCHEDULE C** is to be completed when applying for:

Transmit and/or Receive Earth Stations  
Registration of Receive-only Earth Stations  
Amendment of a pending application  
Modification of a granted License

**For Assistance**

For additional information about Form 312, contact the FCC Consumer Assistance Office at (202) 418-0220.

**Incorporation by Reference**

Reference documents, exhibits, or other lengthy showings already on file with the FCC may be referred to in the application without further submission only if: (a) the information is current and accurate in all significant respects and (b) the reference states specifically where the previously filed information can be found (i.e., station call sign and application file number, title of proceeding, docket number or legal citations), including exhibit and page references. If either of these criterion is not met, such reference documents must then accompany the application.

## GENERAL INSTRUCTIONS

### Current Information

Information filed with the FCC must be kept current. The applicant should notify the FCC regarding any substantial and significant changes in the facts as they appear in the application. See 47 CFR 1.65.

### Waiver Requests

Requests for waivers must contain a statement of reasons sufficient to justify a waiver and must be included as an exhibit to the Main Form. For each rule waiver desired, a separate request with the required showing identifying the specific rule or policy for which the waiver is requested, must be made.

### Exhibits

Each document required to be filed as an exhibit should be current as of the date of filing. Each exhibit must be identified by a letter. Each page of each exhibit must be identified by exhibit and page number using the following format: Exhibit A, Page 2 of 3. If material is to be incorporated by reference within the exhibit, see the instruction on incorporation by reference. If interference studies, frequency coordination reports, radiation hazard reports, environmental impact statements, etc., are required by rule, include them as exhibits. The letter assigned to the exhibit must be referenced in the appropriate space on the Main Form, and wherever else applicable.

### Filing of Applications

An original and two copies of the completed application(s) must be submitted along with the correct filing fee amount. The original application and the duplicate thereof must be clearly marked as such.

### Mailing of Applications

Completed applications concerning earth stations should be mailed to:

Federal Communications Commission  
International Bureau-Earth Station  
P. O. Box 358160  
Pittsburgh, Pennsylvania 15251-5160

Completed applications concerning space stations should be mailed to:

Federal Communications Commission  
International Bureau-Space Station  
P. O. Box 358210  
Pittsburgh, Pennsylvania 15251-5210

When delivering feeable applications by hand or by courier, use the following address:

Federal Communications Commission  
c/o Mellon Bank  
Three Mellon Bank Center  
535 William Penn Way  
27th Floor, Room 153-2713  
Pittsburgh, Pennsylvania  
(Attention: Wholesale Lockbox Shift Supervisor).

Applications received before midnight on a normal business day will receive that day's date as the receipt date. Deliveries made after midnight on Fridays will not be "officially" receipted until the next Monday. Applications received on weekends and government holidays are dated the next regular business day. See the FCC International and Satellite Services Fee Filing Guide for fee information.

### Additional Information

All information provided in this form will be available for public inspection. If information requested on the form is not provided, processing of the application may be delayed or the application may be returned without action pursuant to FCC rules.

### Paperwork Reduction and Privacy Act Notice

The solicitation of personal information requested in this form is authorized by the Communications Act of 1934, as amended. The FCC will use the information provided in this form to determine whether grant of this application is in the public interest. In reaching that determination, or for law enforcement purposes, it may become necessary to refer personal information contained in this form to another government agency.

Public reporting burden for this collection is estimated to be XXX to XXX hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this

collection of information, including suggestions for reducing this burden, to Federal Communications Commission, Records Management Branch, Washington, D.C. 20554. Applicant is not required to respond to any collection of information that does not display a valid OMB Control Number.

The foregoing Notice is required by the Privacy Act of 1974, P.L. 93-597, December 31, 1974, 5 U.S.C. 552a(e)(3), and the Paperwork Reduction Act of 1980, P.L. 96-511, Section 3504(c)(3).

## **SPECIFIC INSTRUCTIONS FOR THE MAIN FORM**

### **APPLICANT**

Items 1-16 These items identify the applicant. If an authorization is granted, the information provided will become the licensee's name, address and telephone numbers of record, and the authorization will be sent to this address. Applicants must provide a current and valid mailing address in the United States, and this address must be that of the applicant. Failure to respond to FCC correspondence sent to the address of record may result in dismissal of an application, liability for forfeiture or revocation of an authorization. These items also identify the contact representative (e.g., a person at the headquarters office of the applicant, the law firm of the applicant, or the company that prepared or submitted the application on behalf of the applicant).

### **CLASSIFICATION OF FILING**

Item 17a Indicates whether the filing is intended as an earth or space station application.

Item 17b Indicates whether the filing is intended a new application, an amendment to a pending application, modification of granted license, assignment of license, transfer of control, or some other class of filing.

Item 18 If filing is in reference to an existing station, enter the call sign in block 18.

Item 19 Where a pending application is to be amended, enter the date that such application was filed. Enter the file number of the pending application, if known.

### **NATURE OF SERVICE**

Item 20 This item seeks information about the nature of the service requested. Place an "X" next to all applicable categories. (E.g., domestic fixed-satellite service applicants would place an "X" next to domestic and next to fixed-satellite.)

Item 21 The licensee's operational status is solicited here. Place an "X" next to the applicable category.

Item 22 The proposed frequency band(s) are specified in this item. (The C-band, 4/6 GHz, requires successful prior radio frequency coordination for both Fixed and Temporary-Fixed/Satellite News-Gathering operations.)

### **CLASS OF STATION**

Item 23 This item identifies the class of station to be placed in service. Place an "X" next to the applicable category.

### **PURPOSE OF FILING**

Item 24 Purpose of Filing highlights the various functions generally requested. Place an "X" next to the applicable category.

### **ENVIRONMENTAL POLICY**

Item 25 This item is required for compliance with the National Environmental Policy Act of 1969, as amended, 42 U.S.C. 4321-4335. *See also* Part 1, Subpart I of the FCC rules (47 CFR 1.1301-1.1319). Examples of facilities that may have a significant effect on the environment include:

- an antenna structure located in a residential area (as defined by applicable zoning laws) which will utilize high intensity aviation obstruction lighting
- a facility located in an officially designated wilderness area, wildlife preserve or floodplain
- a facility that affects a site significant in American history

- a facility, the construction of which involves extensive changes in surface features

A Radiation Hazard Study must accompany all new earth station applications.

#### **ALIEN OWNERSHIP**

Items 26-31 These items request information that will enable the FCC to determine whether an applicant is eligible under Section 310 of the Communications Act of 1934, as amended, to hold a station license.

#### **BASIC QUALIFICATIONS**

Items 32-37 These items request information that enables the FCC to determine whether an applicant is basically qualified to hold an FCC authorization.

Items 38-42 These items seek information about the business relationship(s) of the Transferee/Assignee. Where the answer is "Yes," applicant must file, as an exhibit, a detailed statement of explanation. Item 40 requires a detailed statement which sets forth the facts showing how this proposal is in the public interest. Notification in accordance with Item 42 must include the date of consummation and the file numbers of the applications involved in the transaction. See 47 C.F.R. 25.119.

#### **CERTIFICATION**

Items 43-47 To be acceptable for filing, applications, amendments, modifications and registrations must be signed in accordance with Part 1 of the FCC rules. The signer must be a person authorized to sign the application. Paper originals of applications must bear an original signature. Neither rubber-stamped nor photocopied signatures are acceptable.

### **SPECIFIC INSTRUCTIONS FOR SCHEDULE A**

Consent to Assignment of License/Transfer of Control

#### **PURPOSE OF FILING**

Schedule A and the Main Form must be completed when requesting Consent to Assignment of License or Transfer of Control. The Main Form is to be completed by the assignee or transferee. Schedule A is to be completed by the licensee.

Items A1-A19 These items collect information about the Licensee, Assignor/Transferor, and Assignee/Transferee in order to determine whether the requested consent, governed by 47 C. F. R., Part 25, serves the public interest. If Licensee and Assignor/Transferor are the same, do not complete Items A9 through A13.

Items A20-A23 must be completed by the Licensee.

Items A24-A27 must be completed by the Assignor/Transferor if different than the Licensee.

### **SPECIFIC INSTRUCTIONS FOR SCHEDULE B**

VSAT Systems

#### **PURPOSE OF FILING**

Schedule B, a single form application for a VSAT system including the Hub station and all remote antennas, and the Main Form must be completed for all requests for VSAT authorization.

Item B1 Enter the name of the applicant as reported on the Main Form.

Item B2-B5 Enter call signs and file numbers of Hub and Remote units, if known.

Item B6 Indicate type of filing.

Item B7 For Hub station only, enter either the North American Datum of 1983 (NAD83) or the North American Datum of 1927 (NAD27) geographic coordinates. (All calculations must be based on datum chosen.)

Item B8 For International applications only, enter points of communications.

Item B9 Enter Name of Manufacturer and Model Number of antenna.

Item B10 Enter antenna size, in meters.

Item B11 Enter antenna gain at the center frequency for both transmit and receive frequencies.

Item B12 Enter maximum overall height of antenna structure above ground level (AGL), in meters. See Part 17 of the FCC Rules.

Item B13 Enter Frequency Band (MHz) and Polarization.

Item B14 Enter all emission designators. (For proper emission designator format, see Part 2 of the FCC Rules.)

Item B15 Enter Maximum EIRP, in dBw, for each emission designator.

Item B16 Enter Maximum EIRP Density, in dBw/4KHz, for each emission designator.

Item B17 Enter modulation type.

Item B18 Enter Total EIRP Emitted by Antenna, in dBw.

The information requested in Items B9 through B18 should be included for the Hub station and each type of technically-identical remote station. If applying for more than three different technically-identical remote stations in a VSAT system, applicants may file additional Schedule Bs, as needed. Additional schedules must be clearly identified as a continuation of the Main Form and Initial Schedule B.

### **SPECIFIC INSTRUCTIONS FOR SCHEDULE C**

#### **Transmit and/or Receive Earth Stations**

Schedule C and the Main Form must be filed for all transmit and/or receive earth stations and for registration of receive-only earth stations. The purpose of this filing is to collect technical data that facilitates frequency coordination and ensures interference-free operations.

Item C1 This item should contain the name of the Applicant, as reported on the Main Form.

Item C2-C3 Enter call sign and file number, if known.

Item C4 Indicate type of filing

Item C5 Enter either the North American Datum of 1983 (NAD83) or the North American Datum of 1927 (NAD27) geographic coordinates. (All calculations must be based on datum chosen.)

Item C6 For International applications only, enter points of communications.

Item C7 Enter Name of Manufacturer and Model Number of antenna.

Item C8 Enter antenna size, in meters, and specify quantity.

Item C9 Enter antenna gain at the center frequency for both transmit and receive frequency bands.

Item C10 Enter maximum overall height of antenna structure above ground (AGL), in meters. See Part 17 of the FCC Rules.

Item C11 Enter Frequency Band (MHz) and Polarization.

Item C12 Enter all emission designators. (For proper emission designator format, see Part 2 of the FCC Rules.)

Item C13 Enter Maximum EIRP, in dBw, for each emission designator.

Item C14 Enter Maximum EIRP Density, in dBw/4KHz, for each emission designator.

Item C15 Enter modulation type.

Item C16 Enter Total EIRP Emitted by Antenna, in dBw.

<b>FEDERAL COMMUNICATIONS COMMISSION</b> <b>APPLICATION FOR SATELLITE SPACE AND EARTH STATION AUTHORIZATIONS</b> <b>FCC 312 - Main Form</b>	Fee Use Only
	File Number:
	Call Sign:

### FEE FILING INFORMATION

(a) Fee Type Code	(b) Fee Due for Fee Type Code in (a)	(c) Total Amount Due	Fee Use Only
		\$	

### APPLICANT INFORMATION

1. Legal Name of Applicant	2. Voice Telephone Number ( )		
3. Other Name Used for Doing Business (if any)	4. Fax Telephone Number ( )		
5. Mailing Street Address or P.O. Box  <b>ATTENTION:</b>	6. City		County
	7. State	8. Zip code	
9. Name of Contact Representative (If other than applicant)	10. Voice Telephone Number ( )		
11. Firm or Company Name	12. Fax Telephone Number ( )		
13. Mailing Street Address or P.O. Box  <b>ATTENTION:</b>	14. City		County
	15. State	16. Zip code	

### CLASSIFICATION OF FILING

17. Place an "X" in the "( )" next to the classification that applies to this filing for both questions a. and b. a. ( ) 1. Earth Station ( ) 2. Space Station b. ( ) 1. New Application ( ) 2. Amendment to a pending application ( ) 3. Modification of license ( ) 4. Assignment of License ( ) 5. Transfer of Control ( ) 6. Other (Please Specify) _____	
18. If this filing is in reference to an existing station enter the call sign of that station.	19. If this filing is an amendment to a pending application enter: (a) Date Filed: (b) File number of pending application:

### NATURE OF SERVICE

20. This filing is for an authorization to provide or use the following type(s) of service(s): Place an "X" in the "( )" next to all that apply. ( ) 1. Fixed Satellite ( ) 2. Mobile Satellite ( ) 3. Radiodetermination Satellite ( ) 4. Earth Exploration Satellite ( ) 5. Domestic ( ) 6. International ( ) 7. Other (please specify) _____	
21. STATUS: Place an "X" in the "( )" next to the applicable status. ( ) 1. Non-Common Carrier ( ) 2. Common Carrier	22. FREQUENCY BAND: Place an "X" in the "( )" next to the applicable frequency. ( ) 1. KU-Band (12/14) ( ) 2. C-Band (4/6) ( ) 3. Other (Please specify) _____

## CLASS OF STATION

23. Place an "X" in the "( )" next to the class of station that applies.

( ) 1. Fixed Earth Station    ( ) 2. Temporary-Fixed Earth Station (SNG)    ( ) 3. VSAT System    ( ) 4. Mobile Earth Station    ( ) 5. Space Station    ( ) 6. Other (Specify) \_\_\_\_\_

## PURPOSE OF FILING

24. The purpose of this filing is to: Place an "X" in the "( )" next to all that apply.

- |     |   |   |
|-----|---|---|
| ( ) | A | initial authorization for transmit/receive fixed earth station (including feeder link)                      |
| ( ) | B | initial authorization for transmit/receive mobile earth station   |
| ( ) | C | initial authorization for VSAT network (star configuration)   |
| ( ) | D | initial authorization for VSAT network (mesh configuration)   |
| ( ) | E | initial authorization for transmit-only fixed earth station   |
| ( ) | F | initial authorization for new Temporary-Fixed/Satellite News Gathering (SNG) station                        |
| ( ) | G | registration of receive-only fixed earth station  |
| ( ) | H | authorization to add new emission designator  |
| ( ) | I | authorization to change emission designator   |
| ( ) | J | authorization to increase EIRP and EIRP density   |
| ( ) | K | authorization to replace antenna  |
| ( ) | L | authorization to add antenna  |
| ( ) | M | authorization to relocate fixed station   |
| ( ) | N | authorization to change assigned transmit frequency (ies)   |
| ( ) | O | authorization to change point of communications   |
| ( ) | P | authorization for facilities for which environmental assessment and radiation hazard reporting are required |
| ( ) | Q | authorization for assignment of license/transfer of control   |
| ( ) | R | space station licensee qualification  |
| ( ) | S | Other(Please Specify) _____   |

**Comments:** (Use this space to further describe the nature, purpose, and/or type of services to be provided or to include other information relevant to the application.)

(For questions 25 - 42 Place an "X" in the "( )" next to applicable response. )

## ENVIRONMENTAL POLICY

25. Would a Commission grant of any proposal in this application or amendment have a significant environmental effect as defined by 47 CFR 1.1307?

( ) Yes

( ) No

(Place an "X" in the "( )" next to applicable response.) **A Radiation Hazard Study must accompany all new earth station authorization requests.**

## ALIEN OWNERSHIP

26. Is the applicant a foreign government or the representative of any foreign government?	(   )   Y   es	(   )   No
27. Is the applicant an alien or the representative of an alien?	(   )   Y   es	(   )   No
28. Is the applicant a corporation organized under the laws of any foreign government?	(   )   Y   es	(   )   No
29. Is the applicant a corporation of which any officer or director is an alien or of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	(   )   Y   es	(   )   No
30. Is the applicant a corporation directly or indirectly controlled by any other corporation of which any officer or more than one-fourth of the directors are aliens, or of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof, or by any corporation organized under the laws of a foreign country?	(   )   Y   es	(   )   No
31. If any answer to questions 26, 27, 28, 29 and/or 30 is "Yes", in Exhibit __ identify the aliens or foreign entities, their nationality, their relationship to the applicant, and the percentage of stock they own or vote.		

## BASIC QUALIFICATIONS

32. Is this application inconsistent with any of the Commission's Rules? If "Yes", attach a copy of requests for waivers or exceptions with supporting documents.	(   )   Y   es	(   )   No
33. Has the applicant or any party to this application or amendment had any FCC station authorization, license or construction permit revoked or had any application for an initial, modification or renewal of FCC station authorization, license, or construction permit denied by the Commission? *If "Yes", attach Exhibit ____ explaining circumstances.	(   )   Y   es	(   )   No
34. Has the applicant, or any party to this application or amendment, or any party directly or indirectly controlling the applicant ever been convicted of a felony by any state or federal court?	(   )   Y   es	(   )   No
35. Has any court finally adjudged the applicant, or any person directly or indirectly controlling the applicant, guilty of unlawfully monopolizing or attempting unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio apparatus, exclusive traffic arrangement or any other means or unfair methods of competition?	(   )   Y   es	(   )   No
36. Is the applicant, or any person directly or indirectly controlling the applicant, currently a party in any pending matter referred to in the preceding two items?	(   )   Y   es	(   )   No
37. By checking "Yes", the undersigned certifies (by responding "Y" to this question), that neither the applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. <small>*See 47 C.F.R. 1.2002(b) for the meaning of "party to the application" for these purposes.</small>	(   )   Y   es	(   )   No



Questions 38 - 42 to be completed by transferees or assignees ONLY.

38. Is the transferee/assignee directly or indirectly controlled by any other entity? If "Yes", attach Exhibit _____ a statement (including organizational diagrams where appropriate) which fully and completely identifies the nature and extent of control including: (1) the name, address, citizenship, and primary business of the controlling entity and any intermediate subsidiaries or parties; and (2) the names, addresses, citizenship, and the percentages of voting and equity stock of those stockholders holding 10 percent or more of the controlling corporation's voting stock.	( ) Yes	( ) No
39. Does the transferee/assignee now hold any obligations of licensee corporation? If "Yes", in Exhibit _____ describe the obligations, methods by which acquired, and the dates on which they were obtained.	( ) Yes	( ) No
40. Attach as Exhibit _____ a complete statement setting forth facts which show how the instant proposal will be in the public interest.		
41. Does the transferee/assignee represent that the information given in this application is true and correct, including any contracts or other instruments submitted, and that said information and contracts (if any) constitute the full agreement?	( ) Yes	( ) No
42. Does the transferee/assignee acknowledge that, if the Commission consents, the transfer of control or assignment of license must be completed within 60 days from the date of consent and the Commission must be notified by letter within 30 days of consummation?	( ) Yes	( ) No

### CERTIFICATION

The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. The applicant certifies that grant of this application would not cause the applicant to be in violation of the spectrum aggregation limit in 47 CFR Part 20. All statements made in exhibits are a material part hereof and are incorporated herein as if set out in full in this application. The undersigned, individually and for the applicant, hereby certifies that all statements made in this application and in all attached exhibits are true, complete and correct to the best of his or her knowledge and belief, and are made in good faith.
--

43. Applicant is a (an): (Place an "X" in the "( )" next to applicable response.) ( ) 1. Individual ( ) 2. Unincorporated Association ( ) 3. Partnership ( ) 4. Corporation ( ) 5. Governmental Entity ( ) 6. Other (Please specify.) _____		
44. Typed Name of Person Signing	45. Title of Person Signing	
46. Signature	47. Date	
<b>WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U. S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).</b>		

**FEDERAL COMMUNICATIONS COMMISSION**

**FCC 312 - Schedule A**

(Place an "X" in one of the blocks below)

☐

**CONSENT TO TRANSFER OF CONTROL**

**OR**

☐

**CONSENT TO ASSIGNMENT OF LICENSE**

FCC Use Only

A1. Name of Licensee (As shown on FCC 312 - Main Form)			A2. Voice Telephone Number (     )		
A3. Call Sign or File Number			A4. Fax Telephone Number (     )		
A5. Mailing Street Address or P.O. Box          <b>ATTENTION:</b>			A6. City		
			A7. State	A8. Zip code	
A9. Name of Transferor/Assignor (if different than licensee)			A14. Name of Transferee/Assignee		
A10. Mailing Street Address or P.O. Box			A15. Mailing Street Address or P.O. Box		
A11. City	A12. State	A13. Zip code	A16. City	A17. State	A18. Zip code

A19. Is the licensee directly or indirectly controlled by any other entity? Place an "X" in the "(     )" next to applicable response.

(     ) Yes                      (     ) No

If "YES", attach Exhibit \_\_\_\_\_, a statement (including organizational diagrams where appropriate) which fully and completely identifies the nature and extent of control, including: (1) the name, address, citizenship, and primary business of the controlling entity and any intermediate subsidiaries or parties; and (2) the names, addresses, citizenship, and the percentages of voting and equity stock of those stockholders holding 10 percent or more of the controlling corporation's voting stock.

**CERTIFICATION**

1. The undersigned, individually and for licensee, certifies that all attached exhibits pertinent to Schedule A and all statements made in Schedule A of this application are true, complete and correct to the best of his/her knowledge and belief.			
2. The undersigned represents that stock will not be delivered and that control will not be transferred until the Commission's consent has been received, but that transfer of control or assignment of license or permit will be completed within 60 days of Commission consent.			
A20. Printed or Typed Name of Licensee (Must agree with A1)	A21. Signature	A22. Title (Office Held by Person Signing)	A23. Date
A24. Printed or Typed Name of Transferor/Assignor (If different than licensee. Must agree with A9.)	A25. Signature	A26. Title (Office Held by Person Signing)	A27. Date

**FEDERAL COMMUNICATIONS COMMISSION**  
**FCC Form 312 - Schedule B**  
**SATELLITE SPACE AND EARTH STATION AUTHORIZATIONS**  
**VSAT System**

(B1) Name of Applicant	(B2) Call Sign (Hub)	(B3) File Number (Hub)	(B4) Call Sign (Remote Units)	(B5) File Number (Remote Units)
(B6) Type of Filing: (Please check one box.) <input type="checkbox"/> New Application <input type="checkbox"/> Amendment to Pending Application <input type="checkbox"/> Modification to Authorization	(B7) Geographic Coordinates (Hub) NAD83: Lat. _____ N Long. _____ W  OR NAD17: Lat. _____ N Long. _____ W		(B8) Points of Communication (List Satellite Names) a) _____ e) b) _____ f) c) _____ g) d) _____ h)	

(B9)	(B10)	(B11)	(B12)	(B13)	(B14)	(B15)	(B16)	(B17)	(B18)
Antenna Manufacturer & Model No	Antenna Size (meters)	Antenna Gain (dBi)	Maximum Antenna Height (m) (AGL)	Frequency Band (MHz) & Polarization	Emission Designator	Max EIRP (dBW)	Max EIRP Density (dBW/4kHz)	Modulation (type)	Total EIRP Emitted by Antenna (dBW)

**PART I - HUB STATION**

		Transmit		a	a	a	a	a	
				b	b	b	b	b	
				c	c	c	c	c	
		Receive		d	d	d	d	d	
				e	e	e	e	e	
				f	f	f	f	f	

**PART II - REMOTE UNITS**

Remote 1		Transmit		a	a	a	a	a	
				b	b	b	b	b	
				c	c	c	c	c	
		Receive		d	d	d	d	d	
				e	e	e	e	e	
				f	f	f	f	f	

  

Remote 2		Transmit		a	a	a	a	a	
				b	b	b	b	b	
				c	c	c	c	c	
		Receive		d	d	d	d	d	
				e	e	e	e	e	
				f	f	f	f	f	

  

Remote 3		Transmit		a	a	a	a	a	
				b	b	b	b	b	
				c	c	c	c	c	
		Receive		d	d	d	d	d	
				e	e	e	e	e	
				f	f	f	f	f	

Frequency Band (MHz) & Polarization	Emission Designator	Max EIRP (dBW)	Max EIRP Density (dBW/4MHz)	Modulation (type)
-------------------------------------	---------------------	----------------	-----------------------------	-------------------

## PART I - HUB STATION

[illegible]

Frequency Band (MHz) & Polarization	Emission Designation	Max ERP (dBW)	Max ERP Density (dBW/Hz)	Modulation Type
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## PART II - Remote Stations

[illegible]

## FEDERAL COMMUNICATIONS COMMISSION

## FCC Form 312 -- Schedule C

## SATELLITE SPACE AND EARTH STATION AUTHORIZATIONS

## TRANSMIT and/or RECEIVE EARTH STATIONS

(C1) Name of Applicant		(C2) Call Sign	(C3) File Number
(C4) Type of Filing: (Please check one box.) <input type="checkbox"/> Initial Application Registration <input type="checkbox"/> Amendment to Pending Application <input type="checkbox"/> Modification to Authorization/Registration		(C5) Geographic Coordinates NAD83: Lat _____ N Long _____ W OR NAD27: Lat _____ N Long _____ W	
		(C6) Points of Communication (List Satellite Names) a) _____ e) b) _____ f) c) _____ g) d) _____ h)	

(C7)	(C8)	(C9)	(C10)	(C11)	(C12)	(C13)	(C14)	(C15)	(C16)
Antenna Manufacturer & Model No	Antenna Size (meters)	Antenna Gain (dBi)	Maximum Antenna Height (m) (AGL)	Frequency Band (MHz) & Polarization	Emission Designator	Max EIRP (dBW)	Max EIRP Density (dBW/4Hz)	Modulation (type)	Total EIRP Emitted by Antenna (dBW)

## PART I - TRANSMIT STATIONS

Antenna 1		Transmit		a	a	a	a	a	
				b	b	b	b	b	
				c	c	c	c	c	
				d	d	d	d	d	
Antenna		Transmit		a	a	a	a	a	
				b	b	b	b	b	
				c	c	c	c	c	
				d	d	d	d	d	
Antenna		Transmit		a	a	a	a	a	
				b	b	b	b	b	
				c	c	c	c	c	
				d	d	d	d	d	

## PART II - RECEIVE STATIONS

Antenna 1		Receive		a	a	a	a	a	
				b	b	b	b	b	
				c	c	c	c	c	
				d	d	d	d	d	
Antenna		Receive		a	a	a	a	a	
				b	b	b	b	b	
				c	c	c	c	c	
				d	d	d	d	d	
Antenna		Receive		a	a	a	a	a	
				b	b	b	b	b	
				c	c	c	c	c	
				d	d	d	d	d	

FCC 312 -- SCHEDULE C (Continuation Sheet)

(C'6)	(C'7)	(C'8)	(C'9)	(C'10)	(C'11)	(C'12)	(C'13)	(C'14)	(C'15)
Antenna Manufacturer & Model No	Antenna Size (meters)	Antenna Gain (dB)	Maximum Antenna Height (m) (AGL)	Frequency Band (MHz) & Polarization	Emission Designation	Max ERP (dBW)	Max ERP Density (dBW/4Hz)	Modulation (type)	Max ERP Density toward the horizon (dBW/4Hz)

PART I - TRANSMIT STATIONS (Cont.)

Antenna —		Transmit		a b c d	a b c d	a b c d	a b c d	a b c d	
Antenna —		Transmit		a b c d	a b c d	a b c d	a b c d	a b c d	
Antenna —		Transmit		a b c d	a b c d	a b c d	a b c d	a b c d	
Antenna —		Transmit		a b c d	a b c d	a b c d	a b c d	a b c d	

PART II - RECEIVE STATIONS (Cont.)

Antenna —		Receive		a b c d	a b c d	a b c d	a b c d	a b c d	
Antenna —		Receive		a b c d	a b c d	a b c d	a b c d	a b c d	
Antenna —		Receive		a b c d	a b c d	a b c d	a b c d	a b c d	
Antenna —		Receive		a b c d	a b c d	a b c d	a b c d	a b c d	